CONTENTS.

		PAGE
Beams, Experiments relating to Theory of	*Jerome Sondericker, C.E.*	12
Boiling Points of Naphthaline, Benzophenone, and Benzol under Controlled Pressures	*S. W. Holman, S.B.* *W. H. Gleason, S.B.*	1
Benzyl Cyanide, Condensation of, and its Substitution Products with Aldehydes and with Amyl Nitrite	*H. V. Frost, S.B., Ph.D.*	349
Bacteria, Numbers of, in Certain City Tap Waters	*Edwin O. Jordan*	316
Calorimeter, A Simple	*C. H. Peabody, S.B.*	33
Counterbalancing: Account of Certain Experiments upon Several Methods of Counterbalancing the Reciprocating Parts of a Locomotive	*G. Lanza, S.B., C.E., M.E.*	235
College Graduates	*J. P. Monroe*	209
Coal Gas, Character and Effect of the Illuminants Present in	*L. M. Norton*	307
Drainage, A Few Hints about	*F. W. Chandler*	127
Drift in Portions of Middlesex County	*G. H. Barton*	316
Electro Motors, Note on Efficiency of	*H. E. H. Clifford, S.B.*	275
Graphic Statistics, Elementary Notes on	*D. R. Dewey*	89
Heating and Ventilation of New Building, Mass. Institute of Technology, Critical Study of	*S. H. Woodbridge*	76 and 192
Heating Cars by Steam from the Locomotive	*G. Lanza, S.B., C.E., M.E.*	38
Index to Literature of Butines and their Halogen Addition Products	*A. A. Noyes, S.B.*	112
"Loss of Ignition" in Water Analysis	*T. M. Drown, M.D.*	132
Magnetic Circuit, The	*Edward Collins, Jr.*	385
Massachusetts Constitution, Who made the?	*W. P. Atkinson, A.M.*	101
Magneto Telephone Transmitter, Strength of Current of, as influenced by Strength of the Magnet	*C. R. Cross* *A. S. Williams*	265
Microphone Currents, Strength of, as influenced by Variations in Normal Pressure and Mass of the Electrodes	*Annie W. Sabine*	253
Microphone Currents, Researches on	*C. R. Cross* *Annie W. Sabine*	257
Narrow Gauge *vs.* Standard Gauge Railway	*Stejiro Fukuzawa*	286
Nitro-Benzyl Hydroxylamines	*P. S. Burns* *F. P. Grabfield*	123
Organic Nitrogen, The Determination of the, in Natural Waters, by the Kjeldahl Method	*T. M. Drown* *H. Martin*	277
Pinite: Relation of the Pinite of the Boston Basin to the Felsite and Conglomerate	*W. O. Crosby, S.B.*	248
Refrigerating Machines	*C. H Peabody, S.B.*	325
Removal of Roof Water from Buildings	*D. Porter, Ph.B.*	220

130023

Contents.

		PAGE
Steam, Flow of, in a Tube	*C. H. Peabody, S.B.* *B. G. Buttolph, S.B*	28
Silicon, The Influence of, on the Determination of Phosphorus in Iron	*Thomas M. Drown, M.D.*	379
Steel: Momentary Depression of the Elastic Limit of Steel at Two Critical Temperatures	*Henry M. Howe, A.M., S.B.*	136
Strength of Cast Iron. — Tests made in the Laboratory of Mass. Institute of Technology	*G. Lanza, S.B., C.E., M.E.*	143
Sugar, Notes on the Determination of, by the Polariscope	*Clement W. Andrews, A.M.*	372
Sugar: Influence of Temperature on the Specific Rotation of Cane Sugar	*Clement W. Andrews, A.M.*	367
Telemeter: Gautier's Pocket Telemeter	*A. G. Robbins* *J. H. Stanwood*	358
Water, Biological Examination of	*William Sedgwick, Ph.D.*	67
Water, A Glass of	*A. L. Kean* *E. O. Jordan*	229